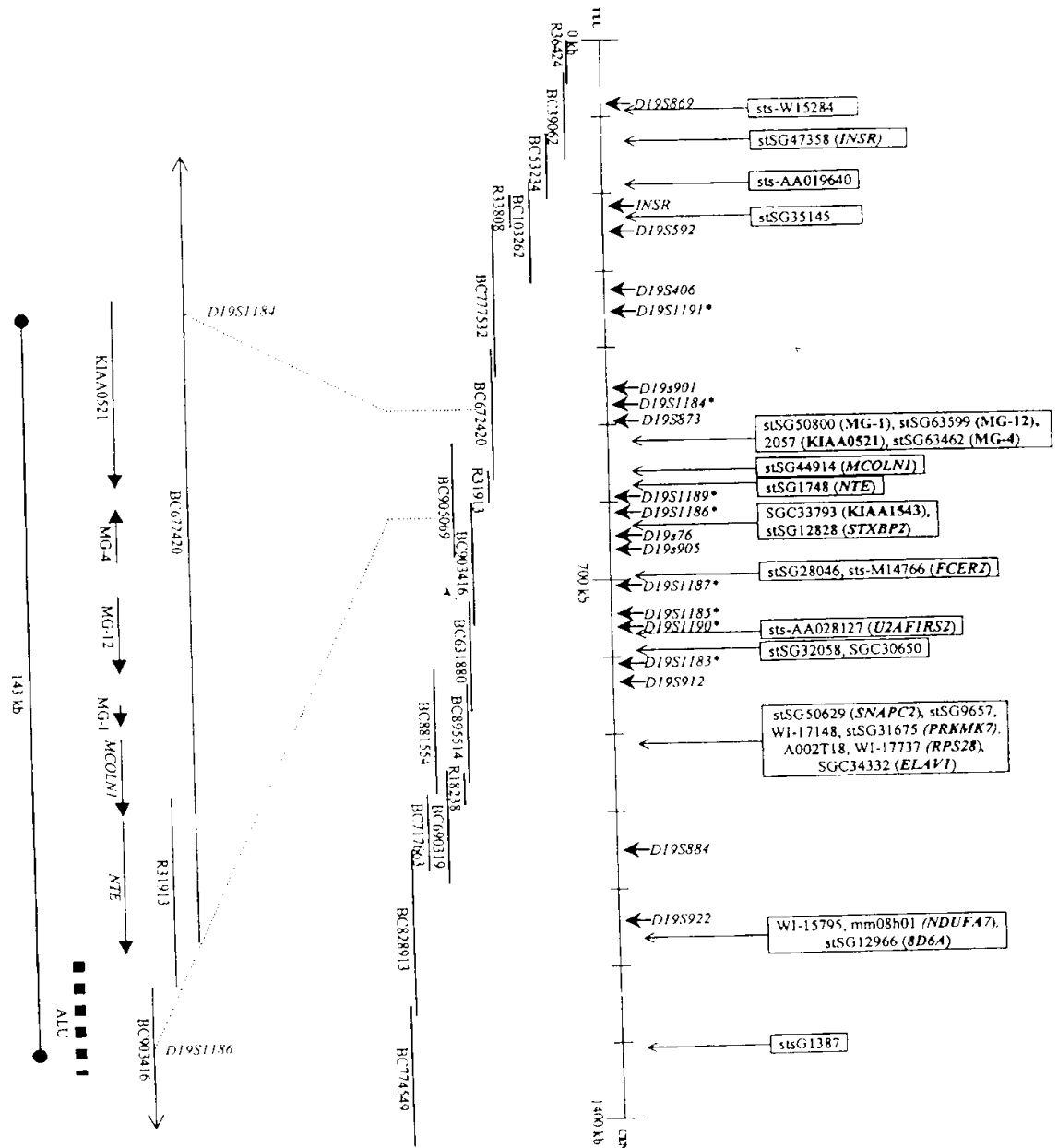


Figure 1A

Transcript map

Physical Map

Fig. 1B



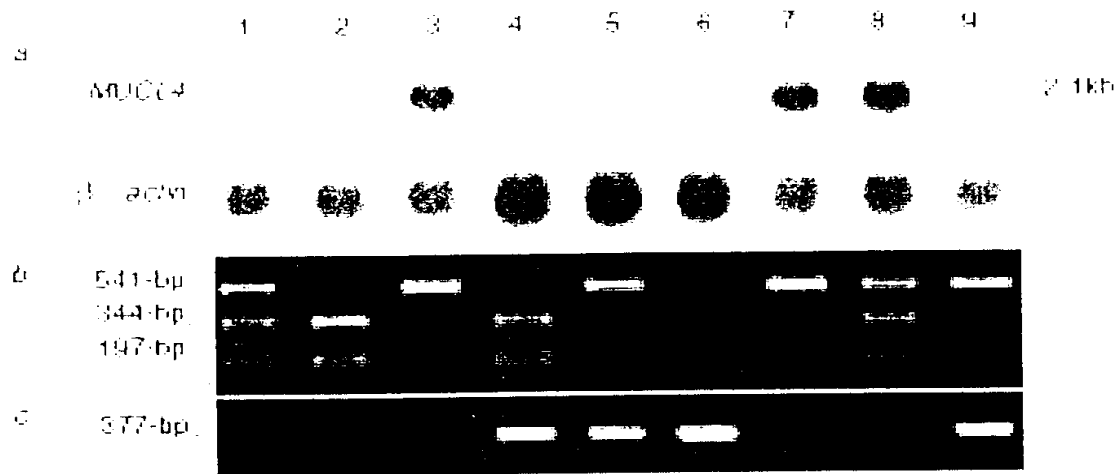


FIGURE 2

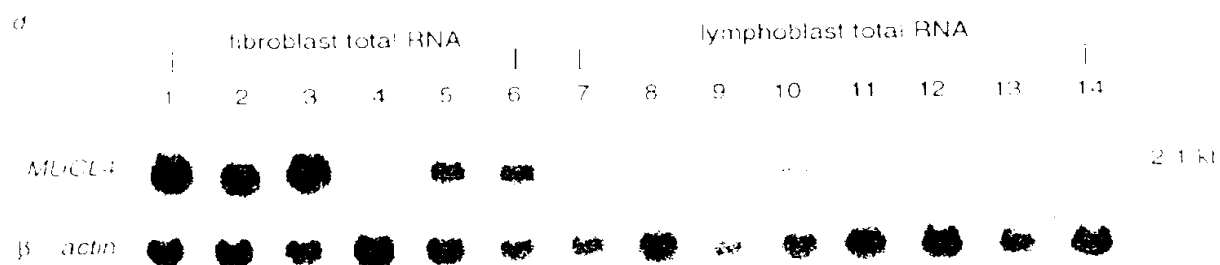


Figure 2

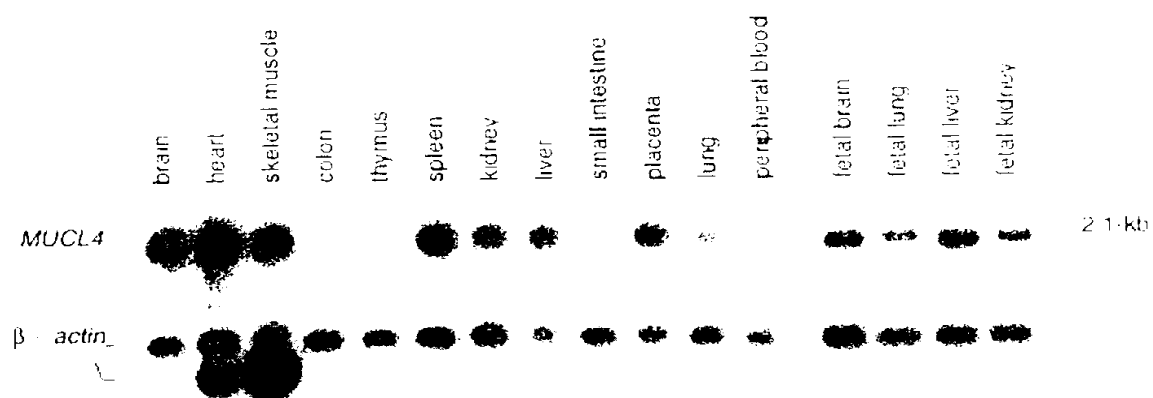


FIGURE 3

Mucolipin 1.....MTAPACRGSEHERLLLTENPGYCTQAGESP...APPTPPDEED RRRKIK
BAA91951* 1.....MADPEVWVCSGCSHEEENRCNENQITSES.....EELLLEOMRRKIK
AAF49118 1MQSYGCAQTAPAVKRRITDSYAAQQQQQSPESDEEYVNTIRLRQVQLQSTPFAVWVPI SAGSGTAPSVDCREBOEFPGSSAASYQBERMRRIQ

Mucolipin 47FEFVSCQKPKAKGRKPKCLMVOVKILVTVQILFGLSNORAVTSEENVTAEHLLTILCYSG.....ADDTFAVTRBOFTQATFHAVDQVLA
BAA91951 44FFFMNFCCKEWAECRKPKIDALQILKIAVTVQILFGLSNOMVAEKEENTAPKHLFKGMDR.....MDDTFAVYTCSDNDOLTFAVNOVLG
AAF49118 101FFFMNPEKQAKGRKPKERFWOIVKIFEVTKOLEMGRYHNHNTGCRFAFSLHTRGDSREVE SYPPAVGCPALVLSKSEFTDTQAVANGYAN

Mucolipin 139PDVSGRVAYVRGCGDPWNGSCALCQRYVECHIDPNDTEDIEMVVTQIQVDPERPPPPDDDLTDESSSYNLTAEHLLTAEHLLVNTHERKIK
BAA91951 136LYNVSYCNHAVENKG.....TKOSAVALCOHAYKRGNIHPCNDTEDIEMVVTQIQVDPERPPPPDDDLTDESSSYNLTAEHLLTAEHLLVNTHERKIK
AAF49118 200YS.RSLGPDYDPTPN...NTMPPKXKLOMREECTIEGNESEIFDPHIDVGCERLPPAVT.....TIGVENYLROEDVEVNGASLVSAQLTERK

Mucolipin 239TINLOSLIN.NEHPDCYTFSVLITEDNKAHSGRIPISTLQCHIQECK...HPSVFOHGDNSRRIEDVWILCGLSPLCARSLRGALLQNEFVCEM
BAA91951 224ALINLOVVRH.QEHPDCYDEHVALTEDNKAHSGRIKISLDNDIISIRECKDW.HVSGSIQKTHHMAEDFAVILLCTVSTLECRSVYRGLQLOQBEVNEF
AAF49118 287TWNFKANGGPLSAPDCEREDITSITENNEDHCQDLESIDAEATRLKCHGATDFISDAKPSNMLRSINTEVLLACALSFALCTRALMRKALLIRCTVNEF

Mucolipin 335WFOQRCYVTSWRLREFVNGWYIIEHVTSDVITISCLTKKCHIAKNLAS...YDVCSILALGTSULLVMGVIRYLTEHNNVLLIATLEVALPSVARECCQV
BAA91951 322LLHKKKESVSPQEEVNGWYIMIIISDHLTIGSLIKKEHQAKSITLS...YDVCSILALGTSULLVMGVIRYLCTAKNMLITLOALPNVARECCCA
AAF49118 387RSQKGSUSFDCRLEEFVNFYIMIIIFNDVILITGSALKEQIEKYLVDQNDTCSIFLIGCNLAVMGVIRYLCTAKNMLITLOALPNVARECCCA

Mucolipin 433AVIYLCYCGCGMIVLGPYHVKERSLSVWSECLFSLINGDDMEVTFEAAQAOQQSSIAWLSQVLYLSFISLFTVWLSLFTALITCAVDTIKHPGCGAGA
BAA91951 420AVIYLCYCGCGMIVLGPYHVKERSLSVWSECLFSLINGDDMEVTFEAAQAOQQSSIAWLSQVLYLSFISLFTVWLSLFTALITCAVDTIKHPGCGAGA
AAF49118 487LPIYACEVCGGMILGPYHVKERSLATTSCELFALINGDDMEVTFEATISS...KATWEMFECQIYLSFISLFTVWLSLFTAVIMDAVDTIKHPGCG

Mucolipin 533EESLQAVIAQCO.DSPISGKFRGSG.....SACSLPCCCGRDPSEHSLLVN.....
BAA91951 517PEVLEKTFEISECK.DLPNSGKFRLEDD.....PPVSLFCCCKK.....
AAF49118 584PTTALKARVGTRTAEDISSGVETLDDDDQTSFLDVVKSICCCGRCGRHQEPAQDPSGYTSLSSIMK

Figure 4A

PKD2 vs. Mucolipin Hydrophobicity Plot

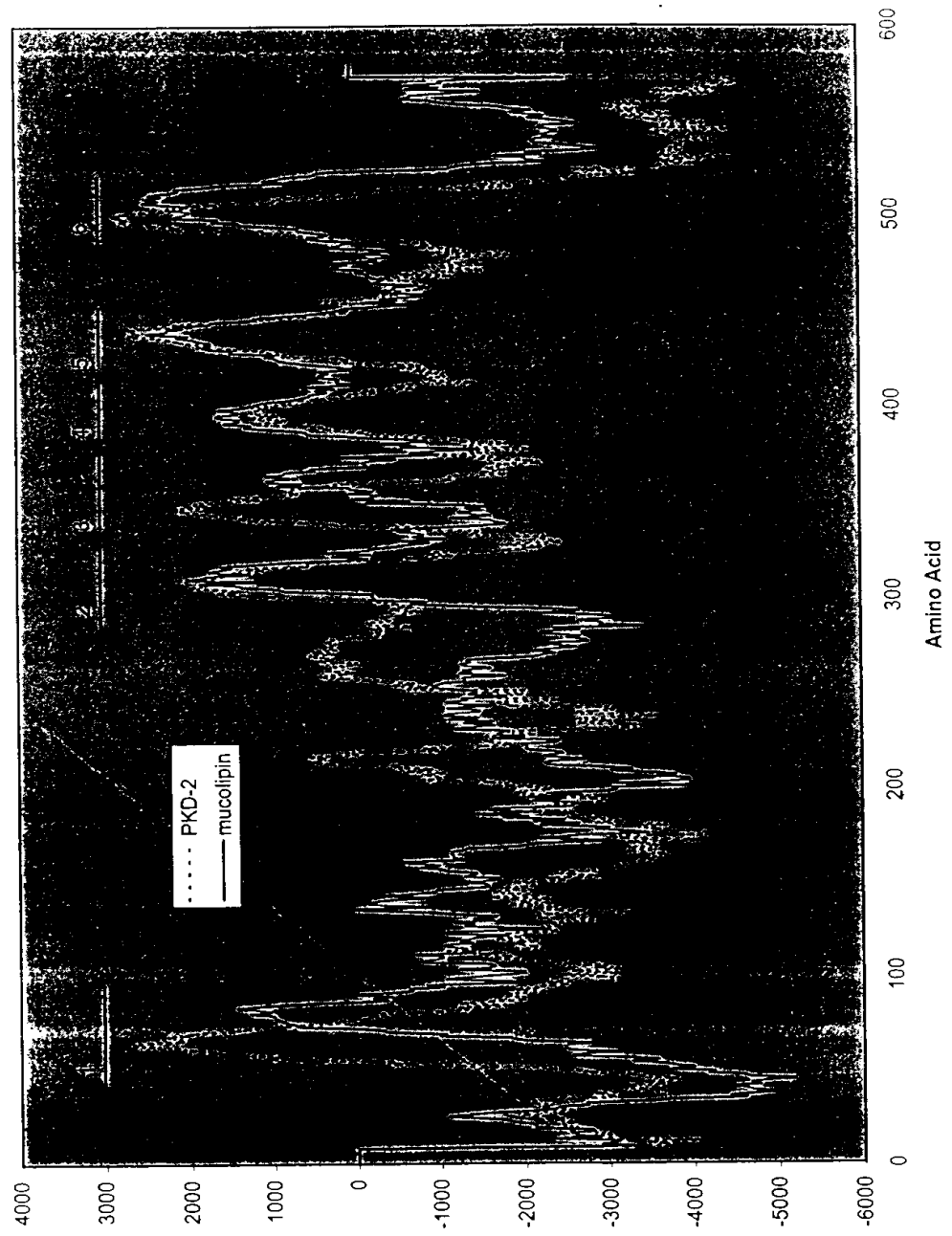


Figure 4B